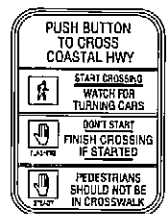


MD 528 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

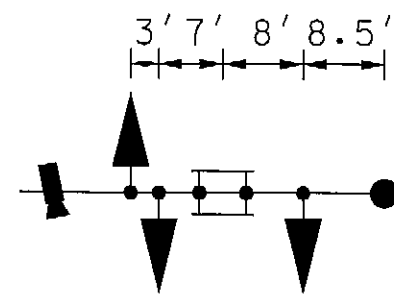
EXISTING SIGNS
TO BE REMOVED



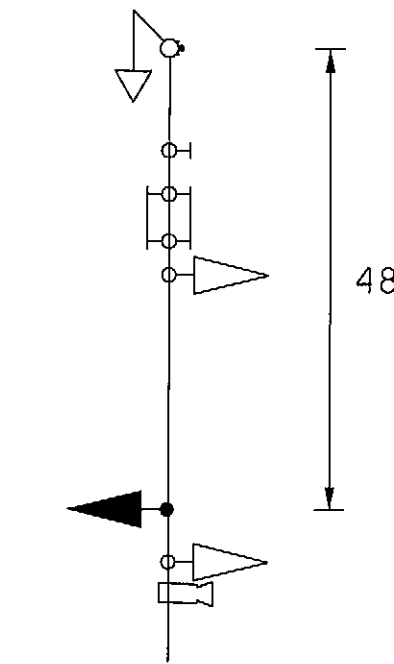
133RD Street
VARIES X16"
(1 EA.)

9"X12"
(4 EA.)

TO MD 80



SIGNAL HEAD
DIMENSIONS
NORTHWEST CORNER



SIGNAL HEAD
DIMENSIONS
SOUTHWEST CORNER

PROPOSED SIGNS

22a, 22b, 23a, 23b

Coastal HWY

D-3(1) (DUAL FACED)

72"X16"

21a, 21b

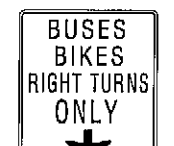
133RD Street

D-3(1) (DUAL FACED)

72"X16"

EXISTING SIGNS
TO BE RELOCATED

25



30"X42"

PROPOSED ACCESSIBLE
PUSHBUTTON AND SIGN

18



COASTAL HWY

R10-3(1)

9" X 15"

17, 19, 20



COASTAL HWY

R10-3(1)

9" X 15"

EXISTING SIGNS
TO REMAIN

24a, 24b

133RD Street

D-3(1) (DUAL FACED)

VARIES X16"

26

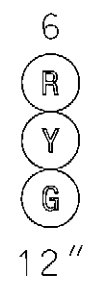


30"X42"

EXISTING LED SIGNALS
TO REMAIN



12"

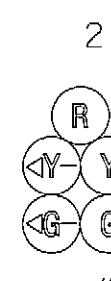


12"

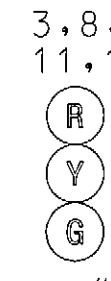


16"

EXISTING LED SIGNALS
TO BE RELOCATED



12"

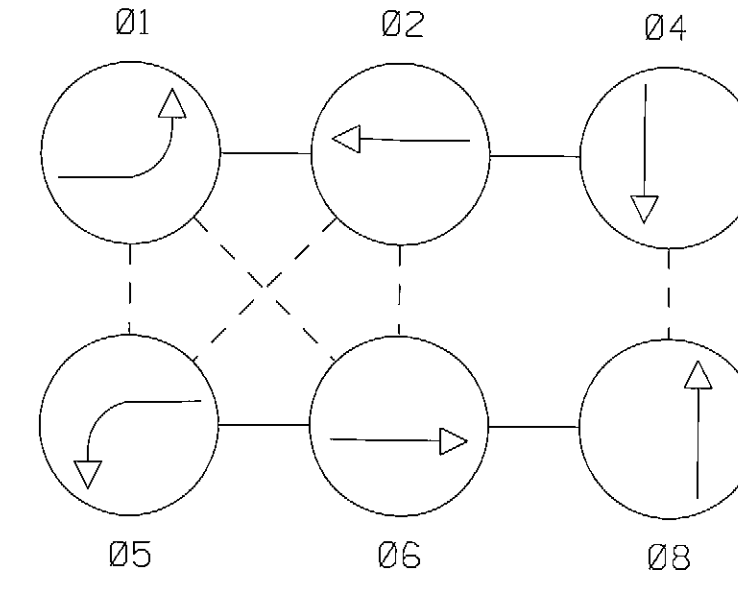


12"

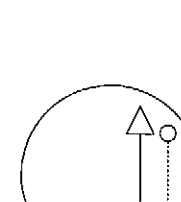
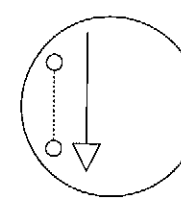


16"

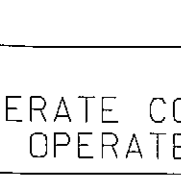
NEMA PHASING



ALT 04



ALT 08



FLASHING
OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

a, b, c, d
PROPOSED VIDEO
DETECTION

PROPOSED LED
SIGNALS

1, 4

12" / 8"

7, 10

12"

12" / 8"

12"

TRAILER PARK

D/W

SHA RIGHT OF WAY

SWIMMING POOL

D/W

SHA RIGHT OF WAY

D/W

SHA RIGHT OF WAY

D/W

SHA RIGHT OF WAY

D/W

SHA RIGHT OF WAY

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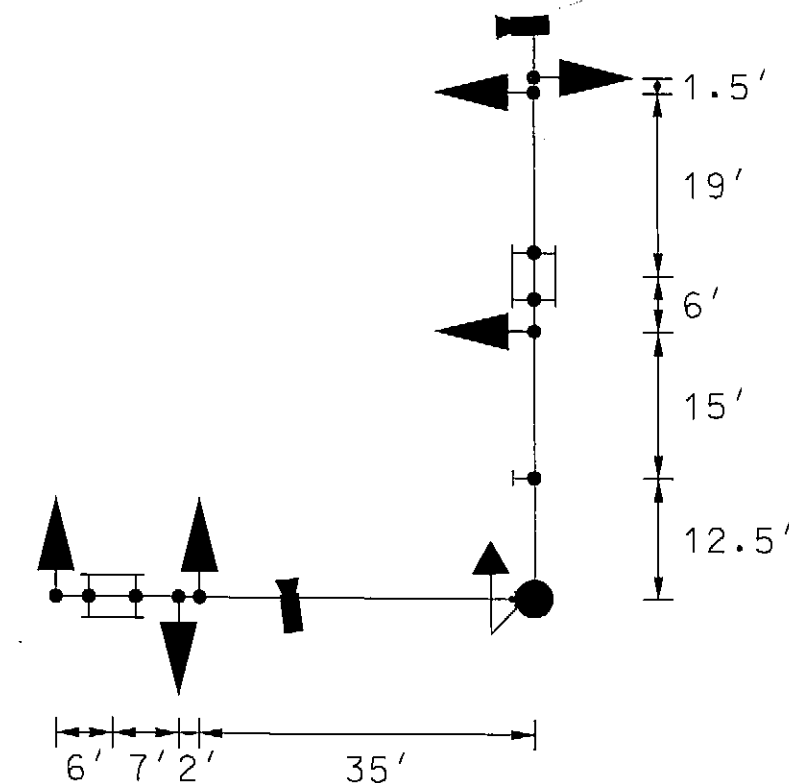
SHA RIGHT OF WAY

D/W

SHA RIGHT OF WAY

D/W

TO DELAWARE STATE LINE



SIGNAL HEAD
DIMENSIONS
NORTHEAST CORNER

BB. INSTALL 3 INCH RIGID PVC CONDUIT RISER AND
3 INCH WEATHERHEAD ON EXISTING UTILITY POLE
FOR INTERCONNECT CABLE. OVERHEAD INTERCONNECT
CABLE SHALL BE REPLACED TO THE TRAFFIC SIGNAL
AT 130TH STREET TO THE SOUTH (1350 FT.)

CC. REMOVE EXISTING MAST ARM POLE AND EQUIPMENT.
REMOVE FOUNDATION BELOW GRADE AND MAKE FLUSH
WITH SIDEWALK. RELOCATE LED PEDESTRIAN SIGNAL
HEAD AND LED SIGNAL HEADS.

TOD No: XX224-07
SHA No: W0311A52/C2
MD 528 @ 56th Street; MD 528 @ 133rd Street

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 528 (COASTAL HWY.) AT 133RD ST. OCEAN CITY, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1"=20'	DATE 01-28-87 CONTRACT NO. W0-653-451-185
DESIGNED BY R. ZACHERL	COUNTY WORCESTER
DRAWN BY S. R. BARANOWSKI	LOGMILE 23052800.90
CHECKED BY	TIMS NO. K185
FAP NO.	TOD NO.
TS NO. 2315B	DRAWING SG-3 OF 4 SHEET NO. 4 OF 7

- A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- B. INSTALL NEMA SIZE 6 TRAFFIC SIGNAL CABINET AND CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND APS CENTRAL CONTROL UNIT. NOTE: INSTALL 2-2 IN. & 2-4 IN. CONDUIT BENDS IN CABINET BASE. CABINET FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- C. INSTALL 27 FT. MAST ARM POLE WITH A 38 FT. MAST ARM, LED SIGNAL HEAD, RELOCATED LED SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGN. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- D. INSTALL 27 FT. (CUT TO 23 FT.) MAST ARM POLE WITH TWIN 60 FT./50 FT. MAST ARMS, LED SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGNS, RELOCATED SIGN, RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK), RELOCATED LED SIGNAL HEADS, ELECTRICAL SERVICE EQUIPMENT AND WEATHERHEAD. NOTE: INSTALL 1-3 IN. & 1-2 IN. CONDUIT BENDS IN POLE BASE. CLEAN, CUT, GALVANIZED & CAP MAST ARM POLE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- E. USE EXISTING UTILITY POLE. OVERHEAD INTERCONNECT CABLE SHALL BE REPLACED TO THE TRAFFIC SIGNAL AT 136TH TO THE NORTH (1350 FT.). 50 FT. OF SLACK SHALL BE COILED AT HANDHOLES AT 136TH STREET INTERSECTION TO ACCOMMODATE MODIFICATIONS AT THESE INTERSECTIONS IN FUTURE PHASES OF WORK.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
SAN	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

- F. USE EXISTING SIGNAL POLE. INSTALL LED SIGNAL HEAD, CABLES, VIDEO DETECTION CAMERA, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). REMOVE EXISTING VIDEO DETECTION CAMERA, PUSHBUTTON AND SIGN. PLUG UNUSED HOLES.
- G. RELOCATED OVERHEAD POWER FEED FROM POLE #62495 95753 BY UTILITY COMPANY.
- H. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- I. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- K. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE.

- L. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- M. INSTALL ELECTRICAL HANDHOLE.
- N. USE EXISTING CONDUIT.
- O. REMOVE EXISTING HANDHOLE. CAP & ABANDON EXISTING CONDUIT.
- P. REMOVE EXISTING PEDESTAL POLE AND EQUIPMENT. REMOVE FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. RELOCATE LED PEDESTRIAN SIGNAL HEAD.
- Q. REMOVE EXISTING MAST ARM POLE AND EQUIPMENT. REMOVE FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. RELOCATE LED SIGNAL HEADS.

AERIAL CABLE DETAIL	
PRIMARY	39' 0"
SECONDARY	27' 2"
SECONDARY	26' 4"
TELEPHONE	22' 10"
GUY	21' 5"
GRADE	

- R. REMOVE EXISTING CABINET AND EQUIPMENT. REMOVE FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK.
- S. REMOVE EXISTING PAVEMENT MARKING LINE.
- T. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
- U. RELOCATED FIRE HYDRANT BY TOWN OF OCEAN CITY FORCES. CONTACT BILL BRATTEN AT OCEAN CITY DPW 410-524-4733 TO COORDINATE RELOCATION.
- V. REINSTALL PROPERTY CORNER MARKER FOR PROPERTY OWNER IN SW CORNER OF INTERSECTION.
- W. PROPOSED VIDEO DETECTION ZONE 1 FT. BEHIND STOP LINE.
- X. RELOCATE PARKING BLOCK.
- Y. ADJUST WATER VALVE TO FINAL SIDEWALK GRADE. WORK SHALL BE PAID UNDER ITEM 8005 ADJUST HANDHOLE TO GRADE.
- Z. REMOVE EXISTING HANDHOLE. INSTALL ELECTRICAL HANDHOLE IN EXISTING LOCATION. INTERCEPT CONDUIT FEEDING MAST ARM POLE. ADJUST LOCATION TO AVOID IMPACTING PROPOSED DETECTABLE WARNING SURFACE.
- AA. INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

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Engineers Construction Managers Planners Scientists
www.rk.com

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
B	RECONSTRUCT SIGNAL TO MEET ADA REQUIREMENTS XX2245185
BJG	7/17/87 RDR ERE 1/1/88
A	INSTALL RESTRICTED RIGHT LANE SIGNS ATY905185 5-1-08
MR	
TH	

PLOTTED: Friday, January 15, 2010 AT 09:57 AM
FILE: \\rkem\2007\2007\07058_shahdd\tsk06_md 528 ada\caacd\133RD Street\p8g-P000_133rd.dgn